

```
[mysql> USE studentdb;
```

Database changed

```
[mysql> SHOW TABLES;
```

```
+-----+
| Tables_in_studentdb |
+-----+
| grade_event          |
| score                |
| student              |
```

```
3 rows in set (0.00 sec)
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```
mysql> SELECT s.student_id, s.event_id, g.category, SUM(s.score), AVG(s.score), MIN(s.score), MAX(s.score)
-> FROM score s, grade_event g
-> WHERE s.event_id = g.event_id
-> GROUP BY s.student_id, s.event_id;
```

student_id	event_id	category	SUM(s.score)	AVG(s.score)	MIN(s.score)	MAX(s.score)
1	1	Q	20	20.0000	20	20
3	1	Q	20	20.0000	20	20
4	1	Q	18	18.0000	18	18
5	1	Q	13	13.0000	13	13
6	1	Q	18	18.0000	18	18
7	1	Q	14	14.0000	14	14
8	1	Q	14	14.0000	14	14
9	1	Q	11	11.0000	11	11
10	1	Q	19	19.0000	19	19
11	1	Q	18	18.0000	18	18
12	1	Q	19	19.0000	19	19
14	1	Q	11	11.0000	11	11
15	1	Q	20	20.0000	20	20
16	1	Q	18	18.0000	18	18
17	1	Q	9	9.0000	9	9
18	1	Q	20	20.0000	20	20
19	1	Q	9	9.0000	9	9
20	1	Q	9	9.0000	9	9
21	1	Q	13	13.0000	13	13
22	1	Q	13	13.0000	13	13
23	1	Q	16	16.0000	16	16
24	1	Q	11	11.0000	11	11
25	1	Q	19	19.0000	19	19
26	1	Q	10	10.0000	10	10
27	1	Q	15	15.0000	15	15
28	1	Q	15	15.0000	15	15
29	1	Q	19	19.0000	19	19
30	1	Q	17	17.0000	17	17
31	1	Q	11	11.0000	11	11
1	2	Q	17	17.0000	17	17
2	2	Q	8	8.0000	8	8
3	2	Q	13	13.0000	13	13
4	2	Q	13	13.0000	13	13
5	2	Q	17	17.0000	17	17


```
[mysql]> SELECT event_count_by_category("Q");
```

```
+-----+
| event_count_by_category("Q") |
+-----+
|                                4 |
+-----+
```

```
1 row in set (0.00 sec)
```

```
[mysql]> SELECT event_count_by_category("T");
```

```
+-----+
| event_count_by_category("T") |
+-----+
|                               2 |
+-----+
```

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1 row in set (0.00 sec)
```

```
[mysql]> SELECT event_count_by_category("A");
```

```
+-----+
| event_count_by_category("A") |
+-----+
|                                0 |
+-----+
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1 row in set (0.00 sec)
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```
[mysql]> SELECT score_sum_by_event_id(1);
```

```
+-----+  
| score_sum_by_event_id(1) |  
+-----+  
|                               439 |  
+-----+  
1 row in set (0.00 sec)
```

```
[mysql]> SELECT score_sum_by_event_id(2);
```

```
+-----+  
| score_sum_by_event_id(2) |  
+-----+  
|                          425 |  
+-----+  
1 row in set (0.00 sec)
```

```
[mysql]> SELECT score_sum_by_event_id(3);
```

```
+-----+
| score_sum_by_event_id(3) |
+-----+
|                2425 |
+-----+
1 row in set (0.00 sec)
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